

SEME NOV, SERGEY STEPANOVICH

PHASE I BOOK EXPLOITATION

395

Zazhirey, Dmitriy Ivanovich; Pankin, Ivan Aleksandrovich; and
Semenov, Sergey Stepanovich

Geodeziya (Geodesy) Moscow, Avtotransizdat, 1957. 146 p. 8,000 copies printed.

Ed.: Mordvinov, V.S.; Kogan, F.L.

PURPOSE: This is a textbook approved by the RSFSR Ministry of Highways and Motor Transport, devoted to problems of road building. The book is intended for use in schools training highway engineering personnel.

COVERAGE: The book is a practical study of geodetic problems related to road building, such as the orientation of lines, the measurement of horizontal angles, spotting of lines on the ground, leveling and lay-out work. The book cites numerous practical examples to illustrate certain theoretical principles. The following instruments

Card ~~1/8~~

SOV/96-59-4-14/21

AUTHORS: Povarnin, P.I., Candidate of Technical Sciences and
Semenov, S.T., Engineer

TITLE: An Investigation of Critical Boiling of Water Below the
Saturation Temperature During Rapid Motion in Pipes
(Issledovaniye krizisa kipeniya vody, nedogretoy do
temperatury nasyshcheniya pri dvizhenii yeye s bol'shoy
skorost'yu v trubakh)

PERIODICAL: Teploenergetika, 1959, Nr 4, pp 72-79 (USSR)

ABSTRACT: The object of this work was to extend the range of
investigation of critical boiling during forced motion of
a liquid in tubes to higher speeds of 40 m/sec and more.
To allow of comparison with previously published work a
pressure of 35 atm was used and the degree of underheating
ranged from 0 - 200°C. As the speed ranged from 3.6 to
45 m/sec it was necessary to develop procedures for
obtaining thermal fluxes of $50 \cdot 10^6$ kcal/m²hour.
The experimental equipment is fully described and a
schematic diagram of it is given in Fig.1. It was made
of stainless steel. A sketch of the experimental section
is given in Fig.2 and this also is described in great
detail. The apparatus is based on the usual principle of

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forcing water through an electrically heated tube. The formulae used in working out the results are given. The experimental procedure adopted is based on the assumption that the formation of a steam insulating film when critical boiling occurs is of a local character when the working fluid is more than 20 - 40°C below the saturation temperature. Accordingly this film does not extend along the length of the tube for more than one or two diameters and does not depend on the total length of the heated section. It, therefore, suffices to use a tube which is about ten diameters long. The tubes used in the tests ranged from 1.5 - 3.0 mm internal diameter and from 8 to 40 mm long; they were made of copper or stainless steel. Current was passed through the tubes until critical boiling occurred and the tube burned out, continuous recordings being made of current and temperature. In the early tests there was evidence of steam corrosion of the metal and accordingly for later work great care was taken to remove oxygen from the steam. The results of

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31 tests made during the course of the work are tabulated. The formulae used by a number of previous authors to work out their results are given and compared. These formulae were used to work up the test data of the present article and are plotted in Fig.4. Contradictions that arise from the use of the various formulae are pointed out and a somewhat modified version of one of the previous formulae, given as expression (12), was used to work out the results of the present work. It is then explained how this expression may be developed into expression (14) and the results obtained in the present work and by previous authors are then worked out in this way and plotted in Fig.5. The same points in other coordinates are given in Fig.6. It is stated that the equation proposed satisfactorily corresponds to the critical rate of heat transfer over the velocity range considered and affords the possibility of extrapolating to higher

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velocities. Throughout the work particular comparison is made with the results of Buchberg of Oak Ridge, Tennessee. There are 6 figures, 1 table and 13 references of which 6 are Soviet and 7 English.

ASSOCIATION: Energeticheskiy institut AN SSSR (Power Institute Ac. Sc. USSR).

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SOV/96-60-1-17/22

10.4000

AUTHORS: Povarnin, P. I., Candidate of Technical Sciences, and
Semenov, S. T., Engineer

TITLE: An Investigation of Critical Boiling During High-pressure
Flow of Under-heated Water in Tubes of Small Diameter ²¹

PERIODICAL: Teploenergetika, 1960, Nr 1, pp 79-85 (USSR)

ABSTRACT: A good deal of work has now been done on the critical boiling of water in pipes. The work arose from the need to make heat-exchange calculations in atomic piles,¹¹ where the rates of flow are limited to about 10 m/sec and the critical thermal fluxes are consequently below 10^7 kcal/m²hr. Considerable increase in this speed range will be required, which will also afford the possibility of making a closer study of the changes occurring in the critical rate of heat transfer when the rates of flow of the liquid alter. Previously published work on this subject is reviewed, and analysis of critical boiling at 35 atm leads to the empirical Eq (4), which is valid over a wide range of speeds of water flow and of temperatures. The present article gives the results of an investigation of critical boiling during the flow

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An Investigation of Critical Boiling During High-pressure Flow of Under-heated Water in Tubes of Small Diameter

of water in pipes. The tests were made in pipes of stainless steel and copper 2 - 3 mm diameter in which the length of the heated section was 10 - 30 diameters. The experimental part of the tube was heated by alternating current, and critical boiling was recognised by a jump in thermocouple readings. The experimental equipment and procedure have been described in a preceding article in Teploenergetika Nr 4, 1959. The tests were made on de-aerated double distillate in which the concentration of oxygen had been reduced to zero by the use of hydrazine; the pH value was 9 - 10. At pressures up to 100 atm, critical boiling usually caused the tubes to burn out. At 150 atm and 200 atm the temperature jump on critical boiling was not so great and the tubes could often be used again. Altogether some 200 tests were made, and the results are given in Table 1 and in Figs 1 to 6. Tests made by a number of other authors were also used in working out the results. The experimental points on the graphs deviate from the calculated curves by not more than $\pm 40\%$; more than 80% of all the points lie within $\pm 20\%$ of the curves. The

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only exception was Fig 6 for the pressure of 200 atm, for which a special explanation is given. The relationship between the critical rate of heating, the water speed and degree of underheating at various pressures was analysed. More accurate values were thereby determined for the coefficients in Eq (4), and Fig 7 gives a graph of these coefficients as a function of pressure. It is concluded that Eq (4) may be used, provided the coefficients in it are determined by the graphs of Fig 7. The rate of heat transfer that causes critical boiling can thereby be determined for various rates of flow, the water being more than 20°C below the saturation temperature. There are 7 figures, 2 tables and 11 references, 9 of which are Soviet and 2 English.

ASSOCIATION: Energeticheskii institut AN SSSR (Power Institute
Ac. Sc. USSR)

Card 3/3

S/048/60/024/007/032/032/XX
B019/B056

24.6600

AUTHORS: Vitman, V. D., Dzheleпов, B. S., Pavlov, A. A., Semenov, S.V.,
and Shestopalova, S. A.

TITLE: The Determination of the Ratio of the Number of Quanta of
Roentgen K- and L-Emission of Some Neutron-deficient
Isotopes

PERIODICAL: Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1960,
Vol. 24, No. 7, pp. 934-938

TEXT: This paper was read at the 10th All-Union Conference on Nuclear
Spectroscopy, which took place from January 19 to January 27, 1960 at
Moscow. By means of a proportional counter, the relative intensities of
the K- and L-emissions of Ho¹⁶⁰, Dy¹⁵⁹, Nd¹⁴⁰, Pr¹⁴⁰, and Sm¹⁴⁵ were
measured. The rare earths, from which the sources were chromatographically
separated, were obtained by the authors by irradiating a target with
660-Mev protons on the synchrocyclotron of the OIYaI. The entire experi-
mental arrangement was calibrated on Zn⁶⁵, Se⁷⁵, In¹¹⁴, Cs¹³⁷, and Sm¹⁴⁵,
the relative halfwidths of the lines were 15 - 12%. The ratio of the

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The Determination of the Ratio of the
Number of Quanta of Roentgen K- and L-
Emission of Some Neutron-deficient Isotopes

S/048/60/024/007/032/032/XX
B019/B056

numbers of L- and K-emission quanta is put proportional to the ratio of the area of the lines measured: $N_L/N_K = kS_L/S_K$. For the purpose of determining the background, a filter made of 0.8 mm cadmium, 0.5 mm copper, and 0.5 mm aluminum was used, from which quanta up to 60 kev were completely absorbed and quanta with more than 200 kev were allowed to pass. The results are given in Table 1. Column 2 gives S_L/S_K , in columns 3 and 4 the counter efficiencies for K- and L-radiations are given. Column 8 then gives the values N_L/N_K . By means of these values, the ratios between the electron captures on L- and K-shells are calculated. These values are given in Table 2. It is, however, pointed out that they contain a considerable error. There are 1 figure, 2 tables, and 8 references: 4 Soviet, 3 US, and 1 Dutch.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut metrologii im.
D. I. Mendeleyeva (All-Union Scientific Research Institute
for Metrology imeni D. I. Mendeleyev)

Card 2/2

S/125/62/000/006/003/013
D040/D113

AUTHORS: Mandel'berg, S.L., and Semenov, S.Ye.

TITLE: The formation of shrinkage cavities on the weld surface in high-speed submerged multi-arc welding

PERIODICAL: Avtomaticheskaya svarka, no. 6, 1962, 17-20

TEXT: The causes of shrinkage cavities forming on welds in two-arc high-speed welding of steel pipes were investigated. Such cavities, which never form during single-arc welding at 30-40 m/hr, appear during two-arc welding and their number and depth increase with increasing speed. The flux mesh used in submerged-arc welding also has a high effect. The quantity of cavities was minimal with medium grain-size flux in experimental welding, and increased abruptly when coarse-grain or dust flux was used. Oscillographs proved that arcs were never interrupted at the moment of cavity formation, hence this is not the cause of the phenomenon. It is concluded that the cavities form because of (1) the length of the welding pool which reaches 350 mm at 200 m/hr

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ACC NR: AP6036017

(A)

SOURCE CODE: UR/0125/66/000/010/0044/0047

AUTHOR: Mandel'berg, S. L.; Lopata, V. Ye.; Semenov, S. Ye.; Rybakov, A. A.

ORG: Electric Welding Institute im. Ye. O. Paton AN UkrSSR (Institut elektrosvarki AN UkrSSR)

TITLE: Three-pass welding of helical joint tubes, 1020 mm in diameter, from both sides

SOURCE: Avtomaticheskaya svarka, no. 10, 1966, 44-47

TOPIC TAGS: ~~welding~~, helical joint tube, tube welding, steel ~~tube~~ welding, ~~submerged~~ arc welding, *metal tube*

ABSTRACT: Several variants of submerged-arc welding of helical joint 15G2S steel tubes, 1020 mm in diameter with walls 10—12 mm thick, have been tested. The best results were obtained with a three-layer weld applied from both sides. First, a "technological" weld is applied from inside in order to ensure and maintain a correct alignment of the faying edges. Then a half turn later, the second, outside weld and another half turn later the third, inside weld are deposited. The weld has a strength equal to that of the base metal. It had a yield strength of 35.3—50.0 kg/mm², a tensile strength of 55.5—63.5 kg/mm², an elongation of 20—29%, a reduction of area of 58.5—72.5% and a notch toughness of 3.1—8.7 kg/cm² at -40C. This method was introduced three years ago at the Zhdanov Metallurgical Plant im. Il'ich. Tubes

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UDC: 621.791.756

ACC NR: AP6036017

1020 mm in diameter are now successfully welded at a speed of 1.8 m/min. Despite some operational complexity, the application of this method is justified by its high welding speed, which is twice that of conventional two-sided welding of similar tubes and reduces risks of undercuts, porosity, slag inclusions and other defects. Orig. art. has: 6 figures and 1 table.

SUB CODE: 13/ SUBM DATE: 27May66/ ORIG REF: 005

Card 2/2

MANDEL'BERG, S.L.; LOPATA, V.Ye.; SEMENOV, S.Ye.

Welding gas and petroleum pipeline pipes having a diameter of
529-630 mm. with a bilateral spiral joint. Avtom. svar. 16
no.10:63-70 0 '63. (MIRA 16:12)

1. Institut elektrosvariki imeni Patona AN UkrSSR.

L-04554-67 SWP(k)/ENT(m)/T/ENT(v)/ENT(u)/BTI JB/JRG

ACC NR: AP6014433

(N)

SOURCE CODE: UR/0125/65/000/012/0001/0005

AUTHORS: Mandel'berg, S. L.; Semenov, S. Ye.

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ORG: Institute for Electro-Welding im. Ye. O. Paton, AN UkrSSR (Institut elektrosvar'ki AN UkrSSR)

B

TITLE: Some characteristics of poly-arc welding under flux at increased rates of welding

SOURCE: Avtomaticheskaya svarka, no. 12, 1965, 1-5

TOPIC TAGS: metal welding, arc welding, weldability, seam welding, steel, welding rod / 19G steel, 14KhGS steel, Sv-08GA welding rod

ABSTRACT: The energetics, properties of welds, and the length of the welding seams in high-speed poly-arc welding under flux were investigated. The investigation was carried out on steels 19G and 14KhGS, using welding rods Sv-08GA and flux AN-60. Welding with single, double, and triple arcs was studied. The experimental results are summarized in graphs and tables (see Fig. 1). It was found that for increased rates of welding the application of poly-arc welding technique decreases energy losses. The chemical composition of the welds during high-speed welding remains practically unchanged. The use of poly-arc welding at high welding speeds decreases the porosity of the weld and yields welds with overall mechanical properties comparable to mono-arc welds obtained at ordinary welding speeds.

Card 1/2

UDC: 621.791.75.04

MONICH, V.K.; SEMENOVA, T.P.

Geological time scale of 1963. Izv. AN Kazakh. SSR. Ser. geol. nauk no.
5:110-112 '63. (MIRA 17:1)

1. Institut geologicheskikh nauk AN KazSSR, Alma-Ata i Kazakhskiy ins-
titut mineral'nogo syr'ya, Alma-Ata.

SEMENOV, U.S., assistant

Abrasive wear of cylinder bushings of marine diesel engines.
Izv.vys.ucheb.zav.; mashinostr. no.5:130-134 '62. (MIRA 15:10)

1. Odesskiy institut inzhenerov morskogo flota.
(Marine diesel engines)

SEMENOV, V.

Vocational Education

Important method for educating labor reserve pupils. Mol. bol'sh. 10 No. 15 1952.

Monthly List of Russian Accessions, Library of Congress October 1952. UNCLASSIFIED.

SEMENOV, V.

Improving the equipment in technical schools. Prof.-tekh. obr. 12
no.3:20-22 Mr. 155. (MLRA 8:5)

1. Mekhanik remeslennogo uchilishcha No. 40 (Moskva)
(Technical education)

SEMENOV, V.; GRINBERG, I., inzh.; LUK'YANOV, V., inzh.; MAYOROV, P.,
inzh.; MORKOVIN, G., inzh.

Against conservatism in technology and mechanical engineering.
NTO 2 no.4:32-35 Ap '60. (MIRA 13:6)

1. Predsedatel' soveta pervichnoy organizatsii Nauchno-tekhnicheskogo obshchestva konstruktorskogo byuro mashinostroitel'noy promyshlennosti, Moskva (for Semenov). 2. Chleny Nauchno-tekhnicheskogo obshchestva mashinostroitel'noy promyshlennosti, Moskva (for Grinberg, Luk'yanov, Mayorov, Morkovin).
(Factory management--Technological innovations)

SEME NOV, V., inzhener; MOROZOV, P., enzhener.

Applying map by the electrostatic method. Prom. keep. no. 3:16-18
Mr '56. (MLRA 9:7)
(Textile machinery) (Textile fabrics)

SEMEHOV, V.

Modernized tambour. Prom.koop. 13 no.11:27 H '59.
(MIRA 13:3)

1. Starshiy inzhener-mekhanik Nauchno-issledovatel'skogo
instituta khudozhestvennoy promyshlennosti.
(Needlework industry--Equipment and supplies)

IVANOV, G.; SEMENOV, V.; mekhanik

Device for pinning on a design. Prom.koop. 14 no.4:27 Ap '60.
(MIRA 13:6)

1. Starshiy inzhener-konstruktor Nauchno-issledovatel'skogo instituta
khudozhestvennoy promyshlennosti (for Ivanov).

(Embroidery (Machine))

SEMENOV, V.

Technological progress is the basis for the reduction of
agricultural production costs. Fin. SSSR 21 no.2:17-25 F
'60. (MIRA 13:1)
(Agricultural machinery)

SEMENOV, V.

Utilization of industrial wastes; NTO no.5:55-56 My '59.

(MIRA 12:8)

(Industrial wastes)

SEMENOV, V.

Sawdust and gas as substitutes for wood. Mias. ind. SSSR no,2:51-52
'57. (MLRA 10:5)

1. Nachal'nik kolbasnogo tsekha Stalingradskogo myasokombinata.
(Wood waste) (Sausage)

SEMENOV, V. (Sverdlovsk).

Seventh contest of short wave operators of the Sverdlovsk Province.
Radio no.3:26 Mr '54.

(MLRA 7:3)

(Radio, Short-wave)

SEMENOV, V.
USSR/Electronics - Television

Card 1/1

Authors : Semenov, V. and Baldin, L.

Title : A Color Television Set (Lit., "A Television Set for Reception of Colored Television")

Periodical : Radio. 5, 33 - 35, May 1954

Abstract : The article first explains the basic principle of color television. It then gives a detailed description of the set, in general, and its individual parts, in particular, namely: the radio block; the scanning screens; the feedback; the operation of the image channel and the sound track; the incoming, the intermediate, and the terminal stages; the intermediate and the low-frequency amplification; the signal detection, and other details. A block diagram of the television set, and three other illustrations, showing a front and back view of the chassis and the general view of the set, are also given.

Institution :

Submitted :

SEMENOV, V.

USSR/ Electronics - Color television receivers

Card 1/2 Pub. 89 - 20/31

Authors : Semenov, V., and Baldin, L.

Title : Television set "Raduga" (Rainbow)

Periodical : Radio 11, 32-36, Nov 1954

Abstract : The color television set "Raduga" was designed for reception of telcasts transmitted by the Moscow Experimental Color-Television Station (MOSTsT). The picture-channel and audio sensitivity of the set are 350 and 200 microvolts, respectively. The passband through the picture-channel is no less than 8.3 megacycles. The audio parameters conform to GOST Standards (USSR Bureau of Standards) for radio receivers Class I and II. The "Raduga" television set operates on 23 miniature tubes and one cathode-ray tube 18LK6B (18JK65). The following individual units are described in detail: 1) amplification of audio & picture-signal channels; 2) selector-stage and synchronizing pulse-sending circuits; 3) Scanning system and high-voltage rectifier, and 4) color system. Care in handling and tuning the color

Card 2/2 Pub. 89 - 20/31

(Additional Card)

Radio 11, 32-36, Nov 1954

Abstract : television receiver is discussed. Data on coils and types of windings are given in a special table. (One general circuit diagram); table; drawings.

Institution : ...

Submitted : ...

AKOPOV, A.; TUGARINOV, I.; TIMANOVSKIY, I.; NECHAYEV, M.; SEMENOV, V.;
VINNIK, K.; SQMIN, V.

Let us welcome the 22d Congress of the CPSU with excellent achievements. Fin. SSSR 22 no.10:49-59 O '61. (MIRA 14:9)

1. Zamestitel' nachal'nika Mosgorfinupravleniya (for Akopov).
 2. Zamestitel' zaveduyushchego Leningradskim oblfinotdelom (for Tugarinov).
 3. Nachal'nik byudzhetnogo upravleniya Ministerstva finansov Kazakhskoy SSR (for Timanovskiy).
 4. Zaveduyushchiy Ul'yanovskim oblfinotdelom (for Nechayev).
 5. Zaveduyushchiy Volgodskim oblfinotdelom (for Semenov).
- (Finance) (Taxation)
(Bezhet'sk District--Insurance)

SEMENOV, V., prof., doktor tekhn.nauk, zasluzhennyy deyatel' nauki i
tekhniki

Gift of foresight. Av.i kosm. 44 no.3:6-8 '62. (MIRA 15:3)
(Tsiolkovskii, Konstantin Eduardovich, 1859-1935)

SEMENOV, V.; NOVOSLAVSKIY, L.

Establishing norms for the working capital and supplying credit to state farms. Den.1 kred. 19 no.6:33-42 Je '61. (MIRA 14:6)

1. Nachal'nik otдела finansirovaniya sovkhovov Ministerstva finansov SSSR (for Semenov). 2. Starshiy kreditnyy inspektor Novosibirskoy kontory Gosbanka (for Novoslavskiy).

(State farms—Finance)

(Novosibirsk Province—Agricultural credit)

SEMENOV, V.

Control through the ruble and business accounting on state farms.
Fin. SSSR 22 no.3:28-35 Mr '61. (MIRA 14:7)
(State farms--Finance)

SEMENOV, V.

Virgin-land state farms are an important source of socialist
accumulation. Fin. SSSR 23 no.2:26-34 F '62. (MIRA 15:2)
(Virgin Territory--State farms--Finance)
(Grain)

SEMENOV, V.

Amortization of tractors and combines on state farms. Tekh. v sel'khoz.
20 no.6:6-8 Je '60. (MIRA 13:10)

1. Ministr finansov SSSR.
(Tractors) (Combines (Agricultural machinery))

SEMENOV, V.

Shatura as it is today. Pozh.delo 8 no.4:3-4 Ap '62. (MIRA 15:4)

(Shatura region--Peat industry--Fires and fire prevention)
(Shatura region--Electric power plants--Fires and fire prevention)

SEMENOV, V.

Heroic deed of a group of five. Pozh.delo 7 no.3:31 Mr '61.
(MIRA 14:5)
(Moscow—Fire extinction)

SEMENOV, V.

Members of the Communist Youth League in the forefront. Pozh.delo
7 no.5:30 My '61. (MIRA 14:5)

1. Sekretar' gorkoma Rovenskogo komsomola, Ukrainskaya SSR.
(Rovno—Fires and fire prevention)

SEMENOV, V.

From the history of fire prevention; fire trains. Pozh.delo 7
no.5:32 My '61. (MIRA 14:5)
(Railroad--Trains) (Fire extinction)

SEMENOV, V., dotsent, kand.tekhn.nauk

Motion within motion. Znan.sila 36 no.1:6-10 Ja '61. (MIRA 14:3)
(Hydraulic turbines)

RODOV, G.; SEMENOV, V.

"Claws" for climbing reinforced concrete poles. Stroitel'
no.7:28 J1 '61. (MIRA 14:8)

(Electric lines—Poles)

SEMENOV, V.

Great changes. Prof.-tekh. obr. 20 no.3:15-16 Mr '63. (MIRA 16:3)

1. Direktor Dorogobuzhskogo uchilishcha mekhanizatsii sel'skogo
khozyaystva No.9 Smolenskoj obl.
(Farm mechanization—Study and teaching)

1. SEMENOV, V.
2. USSR (600)
4. Airplanes - Motors
7. In a study group of aviation mechanics, Kryn.rod. 4 no. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953. Unclassified.

AID P - 2844

Subject : USSR/Aeronautics

Card 1/1 Pub. 58 - 3/19

Author : Semenov, V., Doctor of Tech. Sci.

Title : Tsiolkovskiy, K. E. (on the 20th anniversary of his death)

Periodical : Kryl. rod., 9, 5-6, S 1955

Abstract : Biographical notes and titles of Tsiolkovskiy's more important works are given.

Institution : None

Submitted : No date

AUTHOR: Semenov, V., Engineer

SOV/ 84-58-3-27/52 "

TITLE: The IL-18 Airliner - The Landing Gear (Samolet IL-18 - Shassi)

PERIODICAL: Grazhdanskaya aviatsiya, 1958, Nr 3, pp 18-19 (USSR)

ABSTRACT: The article gives a general description of the landing gear and contains the following technical data. The nose leg carries two 700 x 250 mm wheels, and each of the two rear legs is supported by four 900 x 285 mm wheels. The tire air pressure is 6.5 to 7 atm. The pressure in the hydraulic system is 210 atm, so high a pressure being chosen to reduce the weight of the operating parts. Thus, the elevator piston, which develops a pressure of 10,500 kg, is only 8 cm in diameter. Two photographs and a drawing accompany the text.

1. Aircraft--USSR 2. Landing gear--Design 3. Hydraulic systems--Operation

Card 1/1

DMITRIYEV, A.; SEMENOV, V.

Radio equipment for proportional control of an airplane model
(conclusion). Kryl. rod. 13 no.3:26-28 Mr '62.

(MIRA 18:5)

DMITRIYEV, A.; SEMENOV, V.

Radio equipment for proportional control of a airplane model
to be concluded. Kryn.rod. 13 no.2:27-29 F '62. (MIRA 15:1)
(Airplanes--Models)
(Airplanes--Radio control)

SEMENOV, V., kand.tekhn.nauk, ispolnyayushchiy obyazannosti dotsenta

Rated capacity of a marine diesel engine. Mor. flot 25 no.3:24-26
Mr '65. (MIRA 18:4)

1. Odesskiy institut inzhenerov morskogo flota.

L 26157-66

ACC NR: AN6014203

SOURCE CODE: UR/9008/66/000/009/0003/0003

AUTHOR: Semenov, V. (Major general of medical corps)

ORG: none

TITLE: When the mooring lines are cast off. Notes on the physical conditioning of submarine crews

SOURCE: Krasnaya zvezda, 12 Jan 66, p. 3, col. 4-7

TOPIC TAGS: physical fitness, naval physiology

ABSTRACT: It is recommended that the crews engage in calisthenics as a substitute for exercise obtained in normal navy activities. It is noted that ultraviolet lamp treatments are becoming more and more popular on submarines. The author suggests that submarine personnel be instructed in the art of massage and self-massage.

SUB CODE: 06, 15/

SUBM DATE: 00/

ORIG REF: 000/

OTH REF: 000

Card 1/1 *cc*

L 44130-66 ~~EMP(d)/EMP(m)/EMP(w)/EMP(v)/T/EMP(t)/ETI/EMP(k)/EMP(h)~~
ACC NR: AP6022404 SOURCE CODE: UR/0317/66/000/002/0039/0041
IJP(c) JD
AUTHOR: Kononenko, V. (Doctor of technical sciences); Zaytsev, K. (Candidate of technical sciences); Semenov, V. (Candidate of technical sciences) 52
47
B
ORG: none
TITLE: Technological reserves for military engineering
SOURCE: Tekhnika i vooruzheniye, no. 2, 1966, 39-41
TOPIC TAGS: military engineering, portable machine, punching machine, explosive charge, impact strength, *fabricated structural metal, high strength steel/30KhGSA steel, 1Kh18N9T steel*
ABSTRACT: The use of progressive technological methods and new technological processes for military purposes is stressed by the authors. A detailed description is given of an explosive device intended to punch holes in metal plates. This portable punching machine weighs 25—30 kg and utilizes the explosive force generated by the combustion of 2.3 kg of powder, which is equivalent to the pressure of 560 atm.

Card 1/2

L 44130-66

ACC NR: AP60222404

3

The energy output of this device is equal to the power of a 75-ton press. In 1 min it is possible to punch 3 or 4 holes, 21—25 mm in diameter, in metal plates 12—14-mm thick and in such impact-resistance materials as 30KHGSA and 1X18N9T steels. Orig. art. has: 3 figures. (6) (6) (6) [AM]

SUB CODE: 13/5/SUBM DATE: none/

LS
2/2

BERKOVICH, Mikhail Arnol'dovich; SEMENOV, Vladimir Aleksandrovich; YEZHKOV,
V.V., redaktor; LARIONOV, G.Ie., tekhnicheskly redaktor.

[Principles of relay protection engineering and operation] Osnovy
tekhniki i ekspluatatsii releinoi zashchity. Moskva, Gos.energ.
izd-vo, 1954. 239 p. (MIRA 8:5)
(Electric relays)

SEMEHOV, V. A.

AID P - 1617

Subject : USSR/Electricity

Card 1/2 Pub. 27 - 26/27

Authors : Berkovich, M. A., Vinogradov, N. V., and Semenov, V.A.,
Engineers, Moscow

Title : V. L. Inosov and L. V. Tsukernik. Compounding and the
Electromagnetic Voltage Regulator of Synchronous
Generators, Gosenergoizdat, 1954, 152 pp.

Periodical : Elektrichestvo, 3, 86-87, Mr 1955

Abstract : The authors summarize the table of contents of the book which describes various arrangements for compounding with the application of electromagnetic voltage regulation. These arrangements are used in the USSR as the basic methods of automatic regulation and field forcing of the excitation of synchronous generators. The authors point to the merits of the book as well as to several deficiencies, many of them consisting in poor proof-reading.

MILAKOV, M.Ye., inzhener; BERKOVICH, M.A., inzhener; SEMENOV, V.A., inzhener;
ALEKSANDROV, I.N., inzhener; KOVALEV, G.F., inzhener; ARUTYUNYAN, N.B.,
inzhener.

Gas relay protection of power transformers. Elek.sta.27 no.6:41-45 Je
'56. (MIRA 9:9)

1.Gorenergo (for Milakov). 2.Mosenergo (for Semenov). 3. Belorussenergo
(for Aleksandrov). 4.Yarenargo (for Kovalev). 5.Armenenergo (for Aru-
tyunyan).

(Electric transformers)

BERKOVICH, M.A., inzhener; VINOGRADOV, N.V., inzhener; ~~SEMENOV, V.A.~~
inzhener.

Relay protection of generators and synchronous compensators. Elek.
sta. 27 no.9:46-48 S '56. (MLBA 9:11)

(Electric relays)
(Electric generators)
(Voltage regulators)

PHASE I BOOK EXPLOITATION

723

Berkovskiy, Mikhail Arnol'dovich and Semenov, Vladimir Aleksandrovich

Osnovy tekhniki i ekspluatatsii releynoy zashchity (Principles of Relay Protection Engineering and Operation) 2nd ed., rev. and enl. Moscow, Gosenergoizdat, 1957. 366 p. 25,000 copies printed.

Ed.: Denkov, Ye. D.; Tech. Ed.: Voronin, K. P.

PURPOSE: This monograph is approved by the Glavnoye upravleniye trudovykh rezervov (Main Administration of Labor Reserves) as a textbook on relay protection for preparatory courses for electricians and skilled workers, and for those in charge of industrial training at labor reserve schools. The book may also prove of use as an auxiliary aid to those studying in power engineering tekhnikums and to electricians and skilled workers engaged in servicing relay protection, electric power station laboratories and industrial enterprise laboratories.

~~Case 1/9~~

SEMENOV, Y A.

SEMENOV, V.A., inzhener.

Possibility of operating automatic frequency control during asynchronous movement. Elek.sta.28 no.7:88-89 J1 '57. (MLRA 10:9)
(Electric generators)

SEME NOV, V.A.

AUTHOR: Semenov, V.A., Engineer

91-58-7-15/27

TITLE: Exchange of Experience (Obmen opytom). A Single-Relay System of the Longitudinal Differential Protection of Generators (Odnoreleynaya skhema prodol'noy differentsial'noy zashchity generatorov).

PERIODICAL: Energetik, 1958, Nr 7, p 31 (USSR).

ABSTRACT: The longitudinal differential biphas double-relay protection of generators is being recommended in the Directives for Relay Protection worked out by the "Teploenergoprojekt". This system utilizes 2 relays of the "RNT-562" type. The author suggests utilizing only one "RNT-562" type relay for this purpose. For the same operating current, the sensitivity of the suggested system is 2 times higher in case of biphas short-circuit and 3 times higher in case of three-phase short-circuit between phases. There is one circuit diagram.

1. Relay systems--Design
2. Electric relays--Applications
3. Generators--Equipment

Card 1/1

SEMENOV, V.A., inzh.

Possibilities of increasing the sensitivity of phase differential
protection of generators. Elek.sta. 29 no.6:59 Je '58.

(MIRA 11:9)

(Electric generators) (Electric relays)

BERKOVICH, M.A., inzh.; SEMENOV, V.A., inzh.

Analyzing the exposure to damage of 220 and 110 kv. electric power
lines and possibilities for simplification of their relay protection.
Elek.sta. 30 no.1:61-65 Ja '59. (MIRA 12:3)
(Electric lines)

BERKOVICH, Mikhail Arnol'dovich; SEMENOV, Vladimir Aleksandrovich;
SATAROV, V.A., inzh., retsenzent; BRANDENBURGSKAYA, E.Ya.,
red.; LARIONOV, G.Ye., tekhn.red.

[Fundamentals of the technology and operation of relay protection]
Osnovy tekhniki i ekspluatatsii releinoi zashchity. Izd.3., dop.
Moskva, Gos.energ.izd-vo, 1960. 479 p.

(MIRA 13:12)

(Electric protection)

(Electric relays)

RODOV, G.S., kand.tekhn.nauk; SEMENOV, V.A., inzh.

Using concreting combines in making supports. Bet.i zhel.-
bet. no.6:257-261 Je '60. (MIRA 13:7)
(Electric lines--Poles)
(Reinforced concrete)

KOZHIN, Andrey Nikolayevich; SEMENOV, V.A., red.; BORUNOV, N.I., tekhn.
red.

[A.c. relay protection of 3 to 10 kv. electric lines] Releinaia
zashchita linii 3 - 10 kv. na peremennom operativnom toke. Mo-
skva, Gos. energ. izd-vo, 1960. 61 p. (Biblioteka elektromontera,
no.38) (MIRA 14:7)
(Electric protection) (Electric power distribution)

RODOV, G.S., kand.tekhn.nauk; SEMENOV, V.A., inzh.

Problems in the technology of producing prestressed concrete
supports for overhead communication lines. Trudy Zap.-Sib.
fil.ASiA no.3:91-110 '60. (MIRA 15:2)

(Prestressed concrete)
(Electric lines--Poles)

PLETNEV, Lev Fedorovich; SEMENOV, V.A., red.; SHIROKOVA, M.M., tekhn. red.

[Checking and adjustment of direct action relays] Rele priamogo deistviia, ikh naladka i proverka. Moskva, Gos. energ.izd-vo, 1961.

46 p.

(MIRA 14:11)

(Electric relays)

S/196/62/000/002/020/023
E194/E155

AUTHOR: Semenov, V.A.

TITLE: Allowing for the resistance of an electric arc in
analysing the action of remote protection

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika,
no.2, 1962, 34, abstract 2E191. (Elektr. stantsii,
no.8, 1961, 69-70).

TEXT: In analysing the operation of remote protection
devices on phase-to-phase short circuits, it is necessary to
allow for the arc resistance R_a . To assess the value of R_a
during such short-circuits it is convenient to use simple
formulae which give the relationship between R_a and the total
impedance of the system Z_s and that of the protective line z .
The formulae are valid for lines supplied from one or both ends
if for the latter it may be assumed that the e.m.f.'s transmitted
coincide in value and phase. In high-speed protection the
influence of R_a is small and can hardly lead to failure of

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Allowing for the resistance of an ...

S/196/62/000/002/020/023
E194/E155

the protection except when z_{av} is much smaller than $(z_s + z)$.
The influence of R_a on protection can be particularly
important in the case of lines on wood poles where the arc may
be much prolonged so that R_a increases. In lines with metal
supports appreciable lengthening of the arc without shorting to
earthed structures or cross-arms is unlikely.

[Abstractor's note: Complete translation.]

Card 2/2

SEMENOV, V.A., inzh.

Connection of a ~~directional~~ resistance relay to a line voltage
source with phase current. Elek.sta. 33 no.12:80-82 D '62.

(MIRA 16:2)

(Electric relays)

BASS, Eleonora Isaakovna; BERKOVICH, Mikhail Arnol'dovich;
SAVOST'YANOV, Aleksey Ivanovich; SEMENOV, Vladimir
Aleksandrovich; MEL'NIKOV, M.F., nauchn. red.; SOROKINA,
M.I., red.; PERSON, M.N., tekhn. red.

[Maintenance electrician of relay protection and automatic
control systems] Elektromonter po ekspluatatsii releinoi
zashchity i avtomatiki. [By] E.I.Bass i dr. Moskva, Prof-
tekhizdat, 1963. 342 p. (MIRA 17:3)

KOVALENSKIY, Igor' Vadimovich; SEMENOV, V.A., red.

[Relay protection of high-voltage electric motors] Releinaia
zashchita elektrodvigatelei vysokogo napriazheniia. Moskva,
Izd-vo "Energia," 1964. 80 p. (Biblioteka elektromontera,
no.120) (MIRA 17:4)

BELYAYEVA, Yevgeniya Nikolayevna; SEMENOV, V.A., red.

[How to calculate short-circuit currents] Kak rasshchi-
tat' tok korotkogo zamykaniia. Moskva, Energiia, 1964.
118 p. (MIRA 17:12)

MEL'NIKOV, M.F., inzh.; SEMENOV, V.A., inzh.

Distance-type protection in networks with longitudinal
capacitive compensation. Elek. sta. 35 no. 4:74-76
Ap '64. (MIRA 17:7)

211800

S/089/61/010/004/015/027
B102/B205

AUTHORS: Glazkov, Yu. Yu., Dubovskiy, B. G., Kuznetsov, F. M.,
Semenov, V. A., Pen Fan

TITLE: Study of thermal-neutron spectra in physical reactors by
means of monochromators

PERIODICAL: Atomnaya energiya, v. 10, no. 4, 1961, 381-383

TEXT: The experiments described in this "Letter to the Editor" were carried out in a uranium-graphite reactor, in the center of which a sub-critical assembly was installed. In order to determine the optimum diameter of the sub-critical assembly, the experiments were made at different diameters of the assembly. The monochromators used for the purpose were designed for measuring thermal-neutron spectra in physical low-power reactors (cf. A. P. Senchenkov, F. M. Kuznetsov, Atomnaya energiya, 5, vyp. 2, 124 (1958)). The number of neutrons recorded by the detector per second was calculated from the relation

$$N = \frac{n(v_0)v_0}{4} \frac{1}{2\pi} S d h \frac{d}{H} \frac{S}{L} \frac{h}{L} \frac{v_0^2 \eta \delta}{(\omega_{cp})^2} \nu \frac{n}{60},$$

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S/089/61/010/004/015/027
B102/B205

Study of...

where N is the number of counts of the detector per second, $n(v_0)v_0$ the neutron flux in the center of the reactor per unit interval of velocity, n the speed of the rotor per minute; S , L , and h are the width, length, and height of the collimator; d is the width of the rotor gap, H the length of the rotor, r_{cp} the distance between the axis and the center of the rotor gap, ν the number of rotor gaps, $v_0 = \omega r_{cp} / \alpha_0$ the velocity of fission neutrons for a given angle of rotation α_0 and a given angular velocity ω of the rotor, η the efficiency of the detector for neutrons of velocity v_0 , and δ a coefficient accounting for the absorption of neutrons of velocity v_0 in air. The resolution of the monochromator is given by

$$\frac{\Delta v}{v_0} = \frac{v_0}{\omega r_{cp}} \left[\frac{S}{L} + \frac{1}{3} \frac{d}{H} + \frac{1}{4} \frac{h}{r_{cp}} \left(1 + \frac{H}{L} \right) \frac{\omega r_{cp}}{v_0} \right],$$

where Δv is the half-width of the resolution curve and $S/L + d/3H$ the half-width of the statistical transmission curve. The resolutions of the

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Study of...

monochromator for $\omega = 5000$ rpm are compiled in a table. The medium column gives the neutron energy. Uranium enriched to 1.2 % was used in the sub-critical assembly, whereas the uranium used in the outer zones of the reactor was enriched to 2 % (see Fig. 1). The neutron spectrum was taken for three different sizes of the central sub-critical assembly. These spectra, as well as the neutron distribution in a lattice consisting entirely of working channels with uranium enriched to 2 %, vary only slightly. All of them attain a maximum at $v_0 = 3$ km/sec and drop to zero

at 7-8 km/sec. Fig. 3 shows the temperature of the neutron gas versus the number of working channels with uranium enriched to 1.2 % in the sub-critical assembly. It is seen that the spectrum of the assembly having 37 cells is equal to that of a critical assembly consisting of working channels only. The authors tested assemblies with 13, 25, and 37 cells. The assembly having 37 cells had an equivalent radius of 68 cm, the moderation length was 17 cm, and the diffusion length was 14 cm. Such a monochromator can therefore be used to determine thermal-neutron spectra in low-power reactors. The effective temperature of the neutron gas can be calculated with an error of ± 4 %, provided the spectrum

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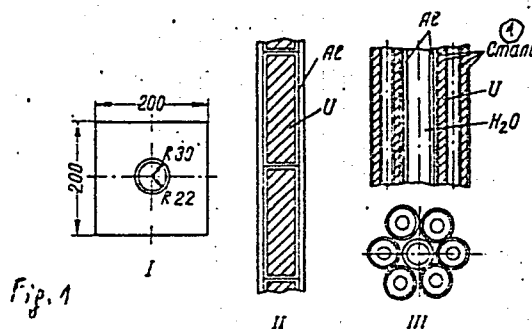
S/089/61/010/004/015/027
B102/B205

Study of...

deviates only slightly from the Maxwellian spectrum. There are 3 figures, 1 table, and 1 Soviet-bloc reference.

SUBMITTED: December 7, 1960

Legend to Fig. 1: I - cell;
II - channel with uranium
enriched to 2 %; III - channel
with uranium enriched to 1.2 %;
1) steel.



Card 4/5

LIFOROV, V. G.; PARFENOV, V. A.; SEMENOV, V. A.

"Double slow neutron spectrometer"

Paper to be presented at the International Atomic Energy Agency
(IAEA) - Symposium on Inelastic Scattering of Neutrons in Solids
and Liquids - Chalk River, Canada, 10-14 Sept. 1962

L 23702-66 EWT(m)/EPF(n)-2/EPF(t)/EWA(h) IJP(c) JD/WW/JG
 ACC NR: AT6006753 SOURCE CODE: UR/3158/65/000/010/0001/0008
 AUTHOR: Liforov, V. G.; Nikolayev, M. N.; Nozik, V. Z.; Parfenov, V. A.; ⁵⁹Semenov, ⁵⁷V. A.; Turchin, V. F.
 ORG: Physics and Power Institute, State Committee on the Use of Atomic Energy, SSSR
 (Fiziko-energeticheskiy institut, Gosudarstvennyy komitet po ispol'zovaniyu atomnoy
 energii SSSR)
 TITLE: Investigation of inelastic scattering of slow neutrons from zirconium hydride
 SOURCE: Obninsk. Fiziko-energeticheskiy institut. Doklady, no. 10, 1965. Issle-
 dovaniye neuprugogo rasseyaniya medlennykh neytronov na gidride tsirkoniya, 1-8
 TOPIC TAGS: neutron spectrum, neutron scattering, zirconium ^{compound} ~~oxide~~, hydride, neutron
 spectrometry, slow neutron, scattering cross section, differential cross section
 ABSTRACT: The article describes measurement of the spectra of neutrons scattered by
 ZrH_{1.48} at an angle of 80° to the incident beam, at temperatures 490C and 20C. The
 measurements were made with a slow-neutron double spectrometer described by I. I.
 Bondarenko et al. (Inelastic Scattering of Neutrons in Solids and Liquids, Proceed-
 ings of a Symposium, Chalk River, 1962). A mechanical interrupter phase with the
 IBR reactor was used to produce neutron pulses of 75 μsec. The spectrometer resolu-
 tion was 22.5 μsec/m in the elastic-scattering region. The intensity of the mono-
 chromatic neutrons at the same measurements was 5 x 10⁴ neut/sec at energy 25 Mev.
 The measurements were made for neutrons with initial energy 0.02 Mev, the total re-

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L 23702-66

ACC NR: AT6006753

2

solution of the spectrometer in the elastic-scattering region being 45 $\mu\text{sec/m}$. The plotted differential scattering cross sections were compared with theoretical calculations and found to agree well with the theoretical spectrum. To calculate the doubly-differential scattering cross section of zirconium hydride in the first approximation, the initial data on the spectra of the normal oscillations of the ZrH crystal were taken from the published data based on certain model assumptions. The preliminary results indicate that even rough measurements yield valuable information on the dynamics of the atoms of this substance. More accurate measurements are now under way. The authors thank A. L. Leypunskiy and F. L. Shapiro for interest in the work. Orig. art. has: 5 figures and 3 formulas.

SUB CODE: 20/1 ORIG REF: 003/ OTH REF: 001

SUBM DATE: none

Card 2/2 FV

L 2285-66 EWT(m)/EPF(n)-2/T/EMP(t)/EMP(z)/EMP(b)/EWA(h) IJP(c) JD/HW/DM
 ACCESSION NR: AP5016928 55 UR/0089/65/018/006/0593/0601
 45B 621.039.538/539.125.52

AUTHORS: Bondarenko, I. I. (Deceased); Liforov, V. G.; Morozov,
V. N.; Nikolayev, M. N.; Parfenov, V. A.; Semenov, V. A.

TITLE: Measurement of the neutron spectrum in nickel, iron, and
stainless steel 6 19 21 11

SOURCE: Atomnaya energiya, v. 18, no. 6, 1965, 593-601

TOPIC TAGS: neutron spectrum, neutron energy distribution, nickel,
 iron, stainless steel, nuclear reactor shield, neutron cross section

ABSTRACT: The neutron spectra were measured by the time of flight
 method using a pulsed fast reactor (IBR) with a resolution of ~ 0.04
 $\mu\text{sec/m}$, and with high neutron intensity ($\sim 10^7 \text{ sec}^{-1}$). The energy
 region covered was that below 1 MeV. The experimental setup is shown
 in Fig. 1 of the Enclosure. The spectra of the neutrons passing
 through various thicknesses of material disclosed the presence of a

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L 2285-66

*ACCESSION NR: AP5016928

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fine structure due to the resonant character of the cross section of the investigated media. A preliminary analysis of these spectra was made by comparison with multigroup calculation and calculations based on simple models, with account taken of the resonant self-screening of the cross section, shows certain discrepancies between theory and experiment, the reasons of which are briefly discussed. The authors thank O. D. Kazachkovskiy, L. N. Usachev, and V. V. Orlov for valuable discussions, F. L. Shapiro and Yu. S. Yazvitskiy for advice and the opportunity of using the neutron detector and the multichannel time analyzer of the Laboratory of Neutron Physics of the Joint Institute of Nuclear Research, and the IBR reactor crew headed by S. K. Niko-
layev for help, and V. Z. Nozik, Z. A. Aleksandrova and L. M. Sereda for participating in the experimental data reduction. Orig. art. has: 6 figures and 4 formulas

ASSOCIATION: None

SUBMITTED: 13Jul64 L

NR REF SOV: 017

ENCL: 01

OTHER: 005

SUB CODE: NF

Cord 2/3

L 2285-66

ACCESSION NR: AP5016928

ENCLOSURE: 01

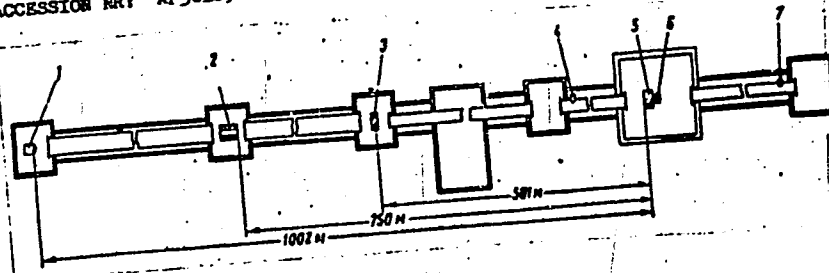


Figure 1. Setup of the experiment:

1 - scintillation detector; 2 - collimator; 3 - detector consisting of Born counters; 4 - monitor on a 50m base; 5 - prism made of the research material; 6 - active zone of the pulsed fast reactor (IFR); 7 - monitor on a 100m base.

Card 3/3

DP

MEL'NIKOV, M.F., inzh.; SEMENOV, V.A., inzh.

Resonance effects in 500 kv. power distribution networks. Elek.
sta. 36 no.1:62-64 Ja '65. (MIRA 18:3)

SEMENOV, V.A.

Representativeness of snow surveys. Trudy Kaz.NIGMI no.16:75-86
'61. (MIRA 15:5)
(Karaganda Province—Snow surveys)

SEMENOV, V.A.; OKHIMCHENKO, A.I.

Calculation of solid precipitations. Trudy Kaz.NIGMI no.16:87-92
'61. (MIRA 15:5)

(Precipitation (Meteorology))

S/169/62/000/011/018/077
D228/D307

AUTHOR: Semenov, V.A.

TITLE:

Influence of wind and the site of instrumental set-up on the precipitation-gauge registration of solid precipitation

PERIODICAL:

Referativnyy zhurnal, Geofizika, no. 11, 1962, 18, abstract 11B118 (Tr. Kazakhsk. n.-i. gidrometeorol. in-ta, no. 17, 1962, 52-56)

TEXT:

The results of complex winter-precipitation observations on the territory of the Karagandinskaya oblast' are analyzed. The precision of measuring solid precipitation by means of Tret'yakov precipitation-gauges is estimated on the grounds of data, obtained in snow-measuring surveys in which the evaporation was registered. It was established that instruments sited in open plains country give rather low values. In this connection the correction factor grows linearly with the wind speed. Depending on the site of instrumental set-up and the wind direction, snow may be blown both into

Card 1/2

Influence of wind ...

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and out of the precipitation-gauge in hilly country and in mountains. In every case further investigations are needed to determine the correction factors, including complex observations on the wind direction and speed during snowfalls and also on the snow cover by means of snow-surveying.

[Abstracter's note: Complete translation]

Card 2/2

SEMENOV, V.A.; KHITRUNOVA, M.S.

Distribution of annual and seasonal precipitation in
Karaganda Province. Trudy KazNIGMI no.22:37-57 '65.
(MIRA 18:11)

SEMENOV, V.A.

Characteristics of the distribution of snow cover on the river
basins of the hilly area of central Kazakhstan. Trudy
KazNIGMI no.22:58-70 '65.

Dependence of the loss of snow waters by infiltration on
the autumn soil moisture in central Kazakhstan. Ibid.:88-
105 (MIRA 18:11)

SEMENOV, V.A.

Deficiencies in observations on precipitation and snow cover in
central Kazakhstan. Trudy GGO no.175:167-176 '65.

(MIRA 18:8)

1. Kazakhskiy nauchno-issledovatel'skiy gidrometeorologicheskiy
institut.

SEMENOV, V.A.; SEMENOV, T.S. (Moskva)

State of and prospects for further development and improvement of
radiologic service in the country. Med.rad. 10 no.3:3-7 Mr '65.
(MIRA 18:6)

SEKSENOV, V.A.; YAKIN, N.I. (Moscow)

State and perspectives of further development of oncogenetic
service in the institutions of the public health system. Vest. rent.
i rad. 45 no.3:3-7 Moskva 1965. (PIRA 1870)

L 3667-66 EWT(m)

ACCESSION NR: AP5018572

UR/0241/64/009/010/0092/0092

14
B

AUTHOR: Semenov, V. A.

TITLE: Review of "Izmereniye i raschet pogloshchennykh doz pri vneshnem i vnutrennem obluchenii" (Measurements and calculations of absorbed doses in external and internal irradiation) by A. N. Krogauz, V. A. Petrov, G. A. Linchevskaya, and N. M. Palladiyeva, Moscow, 1963

SOURCE: Meditsinskaya radiologiya, v. 9, no. 10, 1964, 92

TOPIC TAGS: radiology, medical equipment

ABSTRACT: This book serves to prepare the mathematically equipped physician to measure the dosimetric characteristics of radiation use. The first part describes methods of measurement and calculation of radiation doses from roentgenotherapeutic and gamma-therapeutic equipment in remote radiation therapy, and the second, a method of calculating doses in the applicational, intracavitary, and intratissue method of radiation therapy.

Card 1/2

SHLETSKAYA, T.S.; SEMENOV, V.A.

Training of physicians in radiotherapy. Med. rad. 10 no. 2:
21-25 D '65 (MIRA 19:1)

SEменов, V.A.; GUSEVA, L.L.; SMIRNOVA, G.G. (Moskva)

Clinical picture and morphology of defects of development of
the blood vessels of the spinal cord. Vop. neirokhir. 26 no. 5:
22-25 S-O'62 (MIRA 1724)

1. Klinika nervnykh bolezney i patomorfologicheskogo otdela
Oblastnogo nauchno-issledovatel'skogo instituta imeni M.F.
Vladimirovskogo, Moskva.

SEMENOV, V.A.; IOFFE, Yu.A.; GUSEVA, L.L.

Clinical aspects of Dercum's syndrome. Sov.med. 26 no.12:102-
106 D '62. (MIRA 16:2)

1. Iz kliniki nervnykh bolezney (zav. K.M. Gorbacheva) Moskovskogo
oblastnogo nauchno-issledovatel'skogo klinicheskogo instituta
imeni M.V. Vladimirovskogo (dir. - zasluzhennyy vrach RSFSR P.M.
Leonenko).

(CORPULENCE)

SEMENOV, V.A.; GUSEVA, L.L.; IOFFE, Yu.A.

Clinical aspects of Melkersson-Rosenthal syndrome.
Zhur. nevr. i psikh. 62 no.2:273-276 '62. (MIRA 15:6)

1. Klinika nervnykh bolezney (zav. K.M. Gorbacheva)
Moskovskogo oblastnogo nauchno-issledovatel'skogo klinicheskogo
instituta imeni M.F. Vladimirovskogo.
(PARALYSIS, FACIAL) (EDEMA)
(TONGUE--DISEASES)

KUI YGIN, G.V.; ISKHAKOVA, S.R.; SEMENOV, V.A.

Immunotherapy in experimental intestinal obstruction. Eksper. khir.
i anest. 9 no.2:51 Mr-Ap '64. (MIRA 17:11)

1. Kafedra patofiziologii (zav. - prof. T.I. Beslekoyev) Yaroslavskogo
meditsinskogo instituta.